

Table 1: Supplemental population characteristics

N = 153 (100%)	
Sex	
Male	91 (59.5%)
Female	62 (40.5%)
Ethnicity	
Caucasian	86 (56.2%)
Roma	50 (32.7%)
Asian	7 (4.6%)
Arab	7 (4.6%)
African	3 (2.0%)
Age distribution	
0-2 months	50 (32.7%)
2-6 months	82 (53.6%)
6-12 months	19 (12.4%)
12-18 months	2 (1.3%)
Type of delivery	
Vaginal	79 (51.6%)
Caesarian section	74 (48.4%)
Breastfeeding	
No	71 (46.4%)
Yes	82 (53.6%)
VitD supplementation	
No	120 (78.4%)
Yes	33 (21.6%)
Smoke exposure	
No	52 (34.0%)
Yes	101 (66.0%)
Age (mean)	
	3.6 (SD: 2.8)
Gestational age (median)	
	38 (IQR:38-39)

Birth weight (mean)

3,139 (SD: 467.8)

Table 2: Correlation of qualitative and quantitative factors with antimicrobial peptides

Qualitative factors	LL-37 Median (IQR)	p-value	β-Defensin-2 Median (IQR)	p-value
Sex		0.161		0.793
Male	16.1(6.3-34.2)		164.9(112.1-254.6)	
Female	19.8(7.1-57.6)		147.1(103.5-249.7)	
Ethnicity		0.481		0.504
Caucasian	20.1(6.8-41.9)		155.8(103.4-232.4)	
Roma	14.4(6.8-30.0)		156.1(104.5-290.7)	
Other	13.9(5.8-73.4)		212.3(115.4-254.6)	
Type of delivery		0.248		0.847
Vaginal	18.2(8.3-45.1)		157.1(104.5-242.1)	
Cesarian section	16.1(4.1-38.9)		169.4(103.5-250.2)	
Breastfeeding		0.611		0.255
No	17.0(3.2-42.5)		164.9(105.4-284.8)	
Yes	17.5(7.9-40.5)		157.4(103.0-215.2)	
Smoke exposure		0.705		0.945
Yes	18.5(4.4-57.3)		166.7(103.5-229.8)	
No	17.0(7.6-38.9)		160.8(104.9-256.0)	
O2 supplementation		0.069		0.766
No	28.2(12.7-76.9)		164.0(103.0-215.2)	
Yes	16.9(6.1-38.4)		161.6(105.1-253.3)	
IV fluid administration		0.001		0.399
No	26.9(12.9-63.8)		175.7(115.4-242.0)	
Yes	11.0(3.4-29.7)		157.1(103.4-250.2)	
NG feeding		0.383		0.748
No	17.0(7.3-40.2)		160.8(105.4-250.2)	
Yes	18.7(2.3-33.8)		170.9(99.8-283.0)	
Medication use		0.001		0.544
No	34.1(9.6-94.5)		174.6(126.9-249.7)	
Yes	13.9(5.0-32.1)		158.9(102.4-252.0)	
Admission to ICU		0.218		0.706
No	17.9(6.8-44.7)		160.8(104.9-249.7)	
Yes	13.9(1.8-23.0)		191.0(94.8-355.5)	
Quantitative factors	LL-37 (n=153)		β-Defensin-2 (n=153)	

	Rho	p-value	Rho	p-value
(Age (months)	0.026	0.754	-0.133	0.102
Gestational age (weeks)	0.147	0.070	-0.048	0.555
Birth weight (gr)	0.124	0.126	0.052	0.520
Modified Wang score MAX	-0.160	0.048	-0.124	0.127
Duration of hospitalization (days)	-0.340	0.001	-0.085	0.294
25(OH)D serum levels (nmol/L)	-0.009	0.910	-0.091	0.264